



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : SULFUR RECOVERY UNIT					
System 3: TAIL GAS INCINERATOR					S18.7
INCINERATOR, H-402, PROCESS GAS, REFINERY GAS, NATURAL GAS, JOHN ZINK VERTICAL TYPE, 10 MMBTU/HR WITH BURNER, JOHN ZINK, A/N: 512251 Permit to Construct Issued:	C175	D172	NOX: MAJOR SOURCE** SOX: MAJOR SOURCE**	CO: 2000 PPMV REFINERY GAS (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF REFINERY GAS (5) [RULE 409, 8-7-1981] PM: (9) [RULE 404,2-7-1986]	A72.1, B61.2 C8.4, D28.3 D28.4 ,D90.2 D90.7, D323.1 E71.4, H23.4, I1.2, I1.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 512251 Permit to Construct Issued:	D718				H23.2

- * (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits

- (2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

SYSTEM CONDITIONS

S18.7 All affected devices listed under this process/system shall be used only to receive, recover, and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the “connected to” column:

Sulfur Recovery Unit (Process: 7, System: 1 & 2)

Soil Vapor Extraction (Process: 13, System: 3)

Caustic Storage & Scrubbing Unit (Standby for Amine/Fuel Gas Treating & SRU) (Process: 6, System: 6)

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition: Process 7, System 3]

A. Emission Limits

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for ROG during the normal operation of the equipment it vents.

[**RULE 1176, 9-13-1996**]

[Devices subject to this condition: C175]

B. Material/Fuel Type Limits

B61.2 The operator shall not use fuel gas containing the following specified compounds:



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit shall be based on a rolling 3-hr averaging period.

[40CFR60 Subpart J, 6-24-2008]

[Devices subject to this condition: D27, D29, D30, D31, D44, D45, D46, D73, D74, D75, D76, C175]

C. Throughput or Operating Parameter Limits

C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

The measuring device or gauge shall be accurate to within plus or minus 50 degree F. It shall be calibrated once every 12 months.

The operator shall install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976]

[Devices subject to this condition: C175]

D. Monitoring/Testing Requirements

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the Benzene at the inlet and outlet.



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the VOC emissions at the inlet and outlet.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition: C175]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the CO, PM, and ROG emissions at the outlet.

The test shall be conducted at least once every three years.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**; **RULE 404, 2-7-1986**; **RULE 407, 4-2-1982**; **RULE 409, 8-7-1981**]

[Devices subject to this condition: C175, C531]

D90.2 The operator shall periodically analyze the concentration of VOC in ppmv as hexane at the inlet and outlet of the incinerator according to the following specifications:

The operator shall use a flame ionization detector (FID) or a District approved organic vapor analyzer (OVA) calibrated in ppmv of hexane to analyze the parameter.

The operator shall analyze once every day for the first seven days, then every seven operating days for a month, then monthly thereafter.

[**Rule 1303(a)(1)-BACT, 5-10-1996**; Rule 1303(a)(1)-BACT, 12-6-2002; **Rule 1303(b)(2)-Offset, 5-10-1996**; Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: C175]

D90.7 The operator shall continuously monitor the H₂S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall use an NSPS Subpart J approved instrument meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

The operator may monitor the H₂S concentration at a single location for fuel combustion devices, if monitoring at this



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

location accurately represents the concentration of H₂S in the fuel gas being burned in this device.

[40CFR60 Subpart J, 6-24-2008]

[Devices subject to this condition: D27, D44, D46, D73, D74, D75, D76, C175]

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis whenever fuel oil is burned. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1) Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2) Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emissions Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1) Stack or emission point identification;
- 2) Description of any corrective actions taken to abate visible emissions;
- 3) Date and time visible emission was abated; and
- 4) All visible emission observation records by operator or a certified smoke reader.

This condition shall become effective when the initial Title V permit is issued.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition: C175, C396, C531]

E. Equipment Operation/Construction Requirements



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E71.4 The operator shall not use this equipment to treat vapors containing halogenated HC compounds.

[RULE 1401, 3-7-2008]

[Devices subject to this condition: C175]

H. Applicable Rules

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR60 Subpart J, 6-24-2008]

[Devices subject to this condition: D27, D29, D30, D31, D44, D45, D46, D73, D74, D75, D76, C175, C531]

I. Administrative

11.2 The operator shall comply with all the requirements of the Stipulated Order for Abatement, Case No. 2914-72, dated October 14, 2004, in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

[RULE 3004(a)(10)(C) 12-12-1997]

[Devices subject to this condition: D29, D44, D45, D46, C175 C531]

11.3 The operator shall comply with all the requirements of the Stipulated Order for Abatement, Case No. 2914-90, dated August 26, 2008, in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

[RULE 3004(a)(10)(C) 12-12-1997]

[Devices subject to this condition: C175]